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(54) Title: HYBRID SYNTHESIS OF CORE/SHELL NANOCRYSTALS

(57) Abstract: Nanocrystals that include a core/shell structure in which the a core of semiconductor material is coated with an inorganic capping agent. The nanocrystals are made by initially providing nanocrystal precursors that include a solubility agent which renders the precursors soluble in an organic solvent. The nanocrystal precursors are then coated with the inorganic capping agent in the presence of an organic solvent.